

Nikolay A Bogdanov

List of Publications by Year in descending order

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24
papers

1,813
citations

516710

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all docs

29
docs citations

29
times ranked

2235
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of superexchange due to synergetic breathing and hopping in corner-sharing cuprates. Nature Physics, 2022, 18, 190-195.	16.7	10
2	Ab Initio Wavefunction Analysis of Electron Removal Quasi-Particle State of NdNiO ₂ With Fully Correlated Quantum Chemical Methods. Frontiers in Physics, 2022, 10, .	2.1	0
3	Combined unitary and symmetric group approach applied to low-dimensional Heisenberg spin systems. Physical Review B, 2022, 105, .	3.2	9
4	A full configuration interaction quantum Monte Carlo study of ScO, TiO, and VO molecules. Journal of Chemical Physics, 2021, 154, 164302.	3.0	11
5	Resolution of Low-Energy States in Spin-Exchange Transition-Metal Clusters: Case Study of Singlet States in [Fe(III) ₄ S ₄] Cubanes. Journal of Physical Chemistry A, 2021, 125, 4727-4740.	2.5	22
6	Spin-Pure Stochastic-CASSCF via GUGA-FCIQMC Applied to Iron-Sulfur Clusters. Journal of Chemical Theory and Computation, 2021, 17, 5684-5703.	5.3	25
7	Recent developments in the Pyscf program package. Journal of Chemical Physics, 2020, 153, 024109.	3.0	388
8	The color center singlet state of oxygen vacancies in TiO ₂ . Journal of Chemical Physics, 2020, 153, 204704.	3.0	13
9	NECI: <i>N</i> -Electron Configuration Interaction with an emphasis on state-of-the-art stochastic methods. Journal of Chemical Physics, 2020, 153, 034107.	3.0	55
10	Spin and orbital excitations through the metal-to-insulator transition in Cd ₂ O ₇ probed with high-resolution resonant inelastic x-ray scattering. Physical Review B, 2020, 101, .	3.2	5
11	Electronic correlations and magnetic interactions in infinite-layer NdNiO ₂ . Physical Review B, 2020, 102, .	3.2	18
12	OpenMolcas: From Source Code to Insight. Journal of Chemical Theory and Computation, 2019, 15, 5925-5964.	5.3	661
13	Observation of heavy spin-orbit excitons propagating in a nonmagnetic background: The case of Ba ₂ IrO ₆ . Physical Review B, 2018, 97, .	3.2	29
14	Heavy-mass magnetic modes in pyrochlore iridates due to dominant Dzyaloshinskii-Moriya interaction. Physical Review Materials, 2018, 2, .	2.4	20
15	Strongly gapped spin-wave excitation in the insulating phase of NaOsO ₃ . Physical Review B, 2017, 95, .	3.2	24
16	Orbital breathing effects in the computation of x-ray <i>d</i> -ion spectra in solids by ab initio wave-function-based methods. Journal of Physics Condensed Matter, 2017, 29, 035502.	1.8	5
17	Kitaev exchange and field-induced quantum spin-liquid states in honeycomb \hat{I}_{\pm} -RuCl ₃ . Scientific Reports, 2016, 6, 37925.	3.3	215
18	Spin-orbit-driven magnetic structure and excitation in the 5d pyrochlore Cd ₂ Os ₂ O ₇ . Nature Communications, 2016, 7, 11651.	12.8	56

